

IN THE CLAIMS

1. (Currently amended) A regulating system for regulating, with respect to a reference level (V_{ref}), the level of an amplified signal (108), said regulating system comprising:
attenuation means circuitry (201) for generating an attenuated signal (202) from said amplified signal (108) according to a programmable attenuation factor, and
conversion means circuitry (203) for converting said attenuated signal (202) in order to generate an output signal (204) intended to be compared for comparison with said reference level (V_{ref}), wherein said conversion circuitry generates said output signal with a level proportional to the square of the effective value of said attenuated signal.
2. (Currently amended) A regulating system as claimed in claim 1, wherein: said attenuation means (201) comprise a network of resistances (Rp1, Rs1, Rp2, Rs2, Rp3, Rs3, Rp4, Rs4, Rp5, Rs5) defined by a set of π -structures connected in series, each node (A, B, C, D, E, F) of the π -structures being connected to a switch (SWA, SWB, SWC, SWD, SWE, SWF) intended to be activated for defining said programmable attenuation factor, said conversion means (203) comprise processing means (401, 402) for generating said output signal (204) with a level proportional to the square of the effective value of said attenuated signal (202).
3. (Currently amended) A regulating system as claimed in claim 2, wherein the switches (SWA, SWB, SWC, SWD, SWE, SWF) are intended to be activated by a command word (SA, SB, SC, SD, SE, SF) delivered by a digital bus (301).

4. (Currently amended) A regulating system as claimed in ~~one of claims 1 to 3~~claim 1, comprising a voltage comparator (205) including an adjustable voltage/current converter (403), for generating an output current signal I_{AGC} being proportional to the difference between said output signal (204) and said reference level (V_{ref}).

5. (Currently amended) An integrated circuit comprising a regulating system as claimed in ~~one of claims 1 to 4~~claim 1.

6. (Currently amended) A tuner comprising a regulating system as claimed in ~~one of claims 1 to 4~~claim 1.